

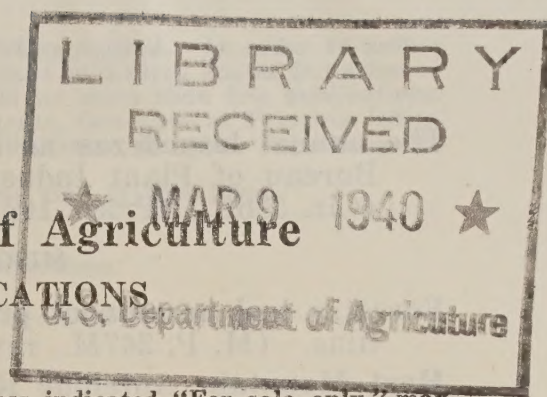
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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

JANUARY 1940

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

### FARMERS' BULLETINS

- The crow in its relation to agriculture.** E. R. Kalmbach, Bureau of Biological Survey. 22 p., illus. (F. B. 1102F., rev.) Price, 5¢.
- Fire safeguards for the farm.** V. N. Valgren, Farm Credit Administration; Harry E. Rothe and Wallace Ashby, Bureau of Agricultural Chemistry and Engineering; William H. Rowe, Bureau of Agricultural Economics; and Wilbur R. Mattoon, Forest Service. 30 p., illus. (F. B. 1643F., rev.) Price, 5¢.
- Growing buckwheat.** K. S. Quisenberry and J. W. Taylor, Bureau of Plant Industry. 17 p., illus. (F. B. 1835F.) Price, 5¢.
- Saving soil with sod in the Ohio Valley region.** Kenneth Welton, Soil Conservation Service. 29 p., illus. (F. B. 1836F.) Price, 5¢.
- The feeding of chickens.** Harry W. Titus, Bureau of Animal Industry. 22 p., illus. (F. B. 1841F.) Price, 5¢.

### LEAFLETS

- Mulching to establish vegetation on eroded areas of the southeast.** Sydney Franklin, Soil Conservation Service. [8] p., illus. (Leaf. 190L.) Price, 5¢.
- Liquefied gas for the household.** A. H. Senner, Bureau of Agricultural Chemistry and Engineering; and Helen S. Holbrook, Bureau of Home Economics. 8 p., illus. (Leaf. 191L.) Price, 5¢.

### TECHNICAL BULLETINS

- Differentiation of eggs of various genera of nematodes parasitic in domestic ruminants in the United States.** D. A. Shorb, Bureau of Animal Industry. 11 p., illus. (T. B. 694T.) Price, 5¢.
- Costs of tractor logging in southern pine.** Robert E. Worthington, Forest Service. 64 p., illus. (T. B. 700T.) Price, 15¢.
- Alfalfa experiments at Stoneville, Miss., 1935-37.** Paul R. Henson and H. L. Westover, Bureau of Plant Industry. 24 p., illus. (T. B. 701T.) Price, 5¢.
- Bacterial wilt of Lespedeza.** T. T. Ayers, C. L. Lefebvre, and H. W. Johnson, Bureau of Plant Industry. 23 p., illus. (T. B. 704T.) Price, 5¢.
- Keys to the parasites of the hessian fly based on remains left in the host puparium.** C. C. Hill and J. S. Pinckney, Bureau of Entomology and Plant Quarantine. 24 p., illus. (T. B. 715T.) Price, 10¢.

### CIRCULARS

- Anaplasmosis in cattle.** Geo. W. Stiles, Bureau of Animal Industry. 10 p., illus. (Cir. 154C., rev.) Price, 5¢.
- Production of hogs suitable for Wiltshire sides.** R. E. Hutton and E. Z. Russell, Bureau of Animal Industry, in cooperation with the Montana Agricultural Experiment Station. 35 p., illus. (Cir. 532C.) Price, 10¢.
- Lespedeza sericea and other perennial lespedezas for forage and soil conservation.** A. J. Pieters, Soil Conservation Service. 44 p., illus. (Cir. 534C.) Price, 10¢.
- A vascular wilt of the mimosa tree (Albizia julibrissin).** George H. Hep-  
ting, Bureau of Plant Industry. 11 p., illus. (Cir. 535C.) Price, 5¢.



The annual lespedezas as forage and soil-conserving crops. A. J. Pieters, Bureau of Plant Industry, and Soil Conservation Service. 56 p., illus. (Cir. 536C.) Price, 10¢.

#### MISCELLANEOUS PUBLICATIONS

Forestry and permanent prosperity. R. F. Hammatt, Forest Service, 21 p., illus. (M. P. 247M., rev.) Price, 5¢.

Hart Mountain Antelope Refuge. Stanley G. Jewett, Bureau of Biological Survey. 24 p., illus. (M. P. 355M.) Price, 10¢.

#### SOIL SURVEYS

Georgia, Toombs County. (No. 11, series 1935.) 42 p., illus. Price, 30¢.

Iowa, Marion County. (No. 39, series 1932.) 43 p., illus. Price, 50¢.

Michigan, Cheboygan County. (No. 15, series 1934.) 47 p., illus. Price, 60¢.

Michigan, Schoolcraft County. (No. 37, series 1932.) 42 p., illus. Price, 55¢.

Minnesota, Kanabec County. (No. 27, series 1933.) 43 p., illus. Price, 35¢.

Montana, lower Yellowstone Valley area. (No. 38, series 1932.) 35 p., illus. Price, 30¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Bureau of Animal Industry. Service and regulatory announcements. November 1939. Pp. 113-122. (S. R. A.-B. A. I. 391). Price 25¢ a year, 5¢ a copy.<sup>1</sup>

Index to service and regulatory announcements, 1938. Bureau of Entomology and Plant Quarantine. 3 p. (S. R. A.-B. E. P. Q. Index, 1938.)<sup>2</sup>

Modification of pink bollworm quarantine regulations. Bureau of Entomology and Plant Quarantine. Revision of Regulation 2. 3 p. (B. E. P. Q.-Q. 52.)<sup>2</sup>

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 333-347. (N. J., F. D. 30776-30800.) Drugs; pp. 349-378. (N. J., F. D. 30801-30875.) Foods.<sup>2</sup>

Notices of judgment under the Insecticide Act. Food and Drug Administration. Pp. 441-455. (N. J., I. F. 1691-1710.)<sup>2</sup>

#### OTHER PUBLICATIONS

First annual report of the Manager of the Federal Crop Insurance Corporation, 1939. Leroy K. Smith. 29 p. Price, 10¢.

Report of Federal Surplus Commodities Corporation for the fiscal year 1939. 12 p. Price, 5¢.<sup>1</sup>

Report of the Associate Administrator of the Agricultural Adjustment Administration, in charge of the Division of Marketing and Marketing Agreements, and the President of the Federal Surplus Commodities Corporation, 1939. Milo Perkins. 67 p. Price, 10¢.<sup>1</sup>

Report of the Chief of the Bureau of Agricultural Chemistry and Engineering, 1939. Henry G. Knight. 98 p. Price, 15¢.

Report of the Chief of the Bureau of Home Economics, 1939. Louise Stanley. 22 p. Price, 5¢.

Report of the Chief of the Bureau of Plant Industry, 1939. E. C. Auchter. 53 p. Price, 10¢.

Report of the Chief of the Forest Service, 1939. F. A. Silcox. 48 p. Price, 10¢.<sup>1</sup>

Report of the Chief of the Soil Conservation Service, 1939. H. H. Bennett. 78 p. Price, 15¢.

Report of the Chief of the Sugar Division, 1939. Joshua Bernhardt. 19 p. Price, 5¢.

Report of the Chief of the Weather Bureau, 1939. F. W. Reichelderfer. 21 p. Price, 5¢.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.



Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

Be sure to write your name and address plainly on reverse side of this form.

Farmers' Bulletins	Leaflets	Other publications

Report of the Director of Personnel, 1939. Roy F. Hendrickson. 24 p.  
Price, 5¢.

Report of the Secretary of Agriculture, 1939. Henry A. Wallace. 169 p.  
Price, 20¢.

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

On tired soil. Folder. [4 p.], illus.<sup>3</sup>

NCR Leaflet-401. Here's our farm program for 1940 for north central region.  
Folder. 6 p., illus.<sup>3</sup>

NER-410-Conn. Here's the 1940 Agricultural Conservation Program for Connecticut. 12 p.<sup>3</sup>

NER-410-N. H. Here's the 1940 Agricultural Conservation Program for New Hampshire. 12 p.<sup>3</sup>

NER-410-N. J. Here's the 1940 Agricultural Conservation Program for New Jersey. 12 p.<sup>5</sup>

NER-410-N. Y. Here's the 1940 Agricultural Conservation Program for New York. 15 p.<sup>3</sup>

NER-410-Pa. Here's the 1940 Agricultural Conservation Program for Pennsylvania. 16 p.<sup>3</sup>

NER-410-R. I. Here's the 1940 Agricultural Conservation Program for Rhode Island. 11 p.<sup>3</sup>

NER-410-Vt. Here's the 1940 Agricultural Conservation Program for Vermont. 11 p.<sup>3</sup>

PC4. Two families, one farm. Folder. [4 p.], illus.<sup>3</sup>

PC5. To buy abundantly. Folder. [4 p.], illus.<sup>3</sup>

PC6. Plenty. Folder. [4 p.], illus.<sup>3</sup>

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 24, No. 1, January 1940. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 60¢ a year. Foreign subscription, \$9.10 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.



U. S. DEPARTMENT OF AGRICULTURE  
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**Experiment station record.** Vol. 82, No. 1, January 1940. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.<sup>1</sup>

**Extension service review.** Vol. 2, No. 1, January 1940. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Fire control notes.** Vol. 4, No. 1, January 1940. Price, 15¢ a copy; 50¢ a year, domestic.<sup>1</sup>

A quarterly periodical devoted to the technique of fire control. The articles deal with fire research or fire control management; theory, relationships, prevention, equipment, detection, communication, transportation, cooperation, planning, organization, personnel management, training, fire-fighting methods of reporting, and statistical systems.

**Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

Ga.-13. (In Vol. 59, No. 3.) Growth and distribution of roots of the Perfection pimiento in Georgia. H. L. Cochran.

Ind.-29. (In Vol. 59, No. 3.) Phytophthora trunk canker or collar rot of apple trees. R. C. Baines.

Mich.-35. (In Vol. 59, No. 5.) Variation and correlation in bud mutants of the Montmorency cherry. J. W. Crist.

Wis.-102. (In Vol. 59, No. 4.) Yellow dwarf of potato in Wisconsin. J. C. Walker and R. H. Larson.

Wis.-103. (In Vol. 59, No. 5.) A mosaic disease of cabbage. R. H. Larson and J. C. Walker.

**Journal of agricultural research.** Vol. 59, No. 9, November 1, 1939.

**Land policy review.** Vol. II, No. 6, November-December 1939. Price, 5¢ a copy; 25¢ a year, domestic.<sup>1</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

**Rural electrification news.** Vol. 5, No. 5. January 1940. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 5, No. 7, January 1940. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

**Weekly weather and crop bulletin.** Nos. 1-4, January 2-January 30, 1940. Price, 50¢, domestic; \$1.50 a year, foreign.<sup>1</sup>

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

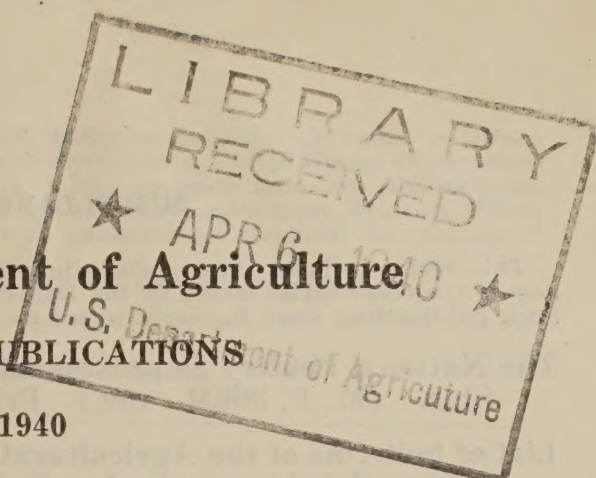


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**United States Department of Agriculture**

**MONTHLY LIST OF PUBLICATIONS**

**FEBRUARY 1940**



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Free distribution of technical material and periodicals is restricted.

**FARMER'S BULLETINS**

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Care of ornamental trees and shrubs.** Furman Lloyd Mulford, Bureau of Plant Industry. 80 p., illus. (F. B. 1826 F.) Price, 10¢.

**Rural library service.** Bureau of Agricultural Economics. 28 p., illus. (F. B. 1847F.) Price, 10¢.

**LEAFLETS**

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**Protecting field borders.** Verne E. Davison, Soil Conservation Service. 8 p., illus. (Leaf. 188L.) Price, 5¢.

**TECHNICAL BULLETINS**

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Effect of accelerated erosion on silting in Morena Reservoir, San Diego County, Calif.** F. F. Barnes, Soil Conservation Service, C. J. Kraebel and R. S. LaMotte, Forest Service. 22 p., illus. (T. B. 639T.) Price, 30¢.

**Comparative susceptibility of crop plants to sodium chlorate injury.** Annie M. Hurd-Karrer, Bureau of Plant Industry. 15 p., illus. (T. B. 648T.) Price, 10¢.

**Chemical and mechanical methods of ribes eradication in the white pine areas of the Western States.** H. R. Offord, G. R. Van Atta, and H. E. Swanson, Bureau of Entomology and Plant Quarantine. 50 p., illus. (T. B. 692T.) Price, 15¢.

**Rainfall characteristics as related to soil erosion.** David I. Blumenstock, Soil Conservation Service. 44 p., illus. (T. B. 698T.) Price, 10¢.

**Nutritive properties of certain animal and vegetable fats.** Ralph Hoagland and George G. Snider, Bureau of Animal Industry. 12 p. (T. B. 725T.) Price, 5¢.

**CIRCULARS**

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Care and maintenance of cotton-gin saws and ribs.** Charles A. Bennett, Bureau of Agricultural Chemistry and Engineering, and Francis L. Gerdes, Agricultural Marketing Service. 20 p., illus. (Cir. 393C., rev.) Price 5¢.

**Two rapid methods for estimating fineness and cross-sectional variability of wool.** J. I. Hardy and H. W. Wolf, Bureau of Animal Industry. 16 p., illus. (Cir. 543C.) Price, 5¢.



## MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**The National Poultry Improvement Plan.** Bureau of Animal Industry. 24 p., illus. (M. P. 300M., rev.) Price, 10¢.

**List of bulletins of the Agricultural Experiment Stations for the calendar years 1937 and 1938.** Catherine E. Pennington, Office of Experiment Stations. 91 p. (M. P. 362M.) Price, 15¢. Restricted distribution.

**Hay quality: Relation to production and feed value.** E. O. Pollock and W. H. Hosterman, Agricultural Marketing Service. 34 p., illus. (M. P. 363M.) Price, 10¢.

## SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Order amending B. A. I. Order 211 (revised) and conferring authority upon the Chief of the Bureau of Animal Industry under the Meat-Inspection Act.** Bureau of Animal Industry. 1 p. (Amdt. 12 to B. A. I. Order 211, revised.)<sup>1</sup>

## SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Idaho, Bonner County.** (No. 16, series 1934.) 66 p., illus. Price, 60¢.

## OTHER PUBLICATIONS

**Report of the Chief of the Bureau of Entomology and Plant Quarantine, 1939.** Lee A. Strong. 117 p. Price, 15¢.

## AGRICULTURAL ADJUSTMENT ADMINISTRATION

**NER-410-Maine.** Here's the 1940 Agricultural Conservation Program for Maine. 12 p.<sup>2</sup>

**NER-410-Mass.** Here's the 1940 Agricultural Conservation Program for Massachusetts. 14 p.<sup>2</sup>

**PC-8.** None shall go hungry. [Folder.]<sup>2</sup>

**PC-10.** The magic carpet. [Folder.]<sup>2</sup>

**PC-11.** The farm home and AAA. [Folder.]<sup>2</sup>

**PC-12.** Country life and AAA. [Folder.]<sup>2</sup>

## PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 24, No. 2, February 1940. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>3</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.

<sup>3</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Farmers' Bulletins	Leaflets	Other publications

**Crops and markets.** Vol. 16, No. 12, December 1939; Vol. 12, No. 1, January 1940. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>3</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

**Daily weather maps.** Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only 50¢ a year. Foreign subscription, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.<sup>3</sup>

**Experiment station record.** Vol. 82, No. 2, February 1940. Price, \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>3</sup>

**Extension service review.** Vol. 2, No. 2, February 1940. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>3</sup>

**Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>3</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

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E-79. (In Vol. 59, No. 5.) **Composition of the various parts of the oat plant at successive stages of growth, with special reference to the formation of lignin.** Max Phillips, M. J. Goss, B. L. Davis, and H. Stevens.

**Journal of agricultural research.** Vol. 59, No. 10, November 15; No. 11, December 1, 1939.

**Land policy review.** Vol. III, No. 1, January-February 1940. Price, 5¢ a copy; 25¢ a year, domestic.<sup>3</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

**Monthly weather review.** Vol. 67, No. 10, October 1939. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.<sup>3</sup> Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

**Soil conservation.** Vol. 5, No. 8, February 1940. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>3</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

<sup>3</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Weekly weather and crop bulletin. Nos. 6-9, February 6-27, 1940. Price, 50¢, domestic; \$1.50 a year, foreign.\*

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

\* Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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MARCH 1940

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### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**The peach borer—How to prevent or lessen its ravages.** Oliver I. Snapp, Bureau of Entomology and Plant Quarantine. 14 p., illus. (F. B. 1246F., rev.) Price, 5¢.

**The tobacco budworm and its control in the Georgia and Florida tobacco-growing region.** A. C. Morgan and F. S. Chamberlin, Bureau of Entomology and Plant Quarantine. 10 p., illus. (F. B. 1531F., rev.) Price, 5¢.

**Cooperative dairy bull associations.** John G. Winkjer, Bureau of Dairy Industry. 17 p., illus. (F. B. 1830F.) Price, 5¢.

**Farm fences.** M. A. R. Kelley, Bureau of Agricultural Chemistry and Engineering. 58 p., illus. (F. B. 1832F.) Price, 10¢.

**Crops against the wind on the southern Great Plains.** Glenn K. Rule, Soil Conservation Service. 74 p., illus. (F. B. 1833F.) Price, 10¢.

**House cleaning management and methods.** Carol Willis Moffett, Bureau of Home Economics. 22 p., illus. (F. B. 1834F.) Price, 5¢.

**Kudzu for erosion control in the Southeast.** R. Y. Bailey, Soil Conservation Service. 32 p., illus. (F. B. 1840F.) Price, 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**The behavior of boron in soils.** Frank M. Eaton and L. V. Wilcox, Bureau of Plant Industry. 58 p., illus. (T. B. 696T.) Price, 15¢.

**Testing vinifera grape varieties grafted on phylloxera-resistant rootstocks in California.** George C. Husmann, Elmer Snyder, and Frederick L. Husmann, Bureau of Plant Industry. 64 p., illus. (T. B. 697T.) Price, 10¢.

**Marketing commercial lettuce.** Raymond L. Spangler, Agricultural Marketing Service. 82 p., illus. (T. B. 712T.) Price, 15¢.

**Prevention of damage by the seed-corn maggot to potato seed pieces.** W. J. Reid, Jr., Bureau of Entomology and Plant Quarantine; and R. C. Wright and W. M. Peacock, Bureau of Plant Industry. 38 p., illus. (T. B. 719T.) Price, 10¢.

### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Estimating weights of lambs at a constant age.** Ralph W. Phillips and G. W. Brier, Bureau of Animal Industry. 16 p., illus. (Cir. 541C.) Price, 5¢.

**Handling and storing small lots of dates at home.** William R. Barger, Bureau of Plant Industry. 12 p., illus. (Cir. 553C.) Price, 5¢.



**Fumigation of vetch seed for the vetch bruchid.** A. C. Johnson, J. S. Pinckney, J. W. Bulger, and A. M. Phillips, Bureau of Entomology and Plant Quarantine. 11 p. (Cir. 555C.) Price, 5¢.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Directory of organization and field activities of the Department of Agriculture: 1939.** Compiled by Edmund Stephens, Office of Budget and Finance, in cooperation with the Offices of Information and Personnel, and other offices and bureaus of the Department. 204 p. (M. P. 376 M.) Price, 25¢. (Restricted.)

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Rules and regulations (as amended) of the Secretary of Agriculture governing the grading and certification of canned fruits and vegetables.** Service and regulatory announcements No. 155. Agricultural Marketing Service. 10 p. (S. R. A.-A. M. S. 155.)<sup>1</sup>

**Rules and regulations under the Federal Seed Act.** Service and regulatory announcements No. 156. Agricultural Marketing Service. 41 p. (S. R. A.-A. M. S. 156.)<sup>1</sup>

**Bureau of Animal Industry. Index to service and regulatory announcements January-December 1939.** Pp. 133-135.<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements. December 1939.** Pp. 123-131. (S. R. A.-B. A. I. 392.) February 1940. Pp. 17-24. (S. R. A.-B. A. I. 394.) Price, 25¢ a year, 5¢ a copy.<sup>2</sup>

**Notices of judgment under the Food and Drugs Act.** Food and Drug Administration. Pp. 379-396. (N. J., F. D. 30876-30900. Drugs; pp. 397-415. N. J., F. D. 30901-30950.) Foods.<sup>1</sup>

**Standards under the Tea Act.** Service and regulatory announcements. Food and Drug Administration. 1 p. (S. R. A., T. No. 14.)<sup>1</sup>

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Iowa, Cerro Gordo County.** (No. 13, series 1935.) 68 p., illus. Price, 75¢.

**Ohio, Scioto County.** (No. 31, series 1933.) 41 p., illus. Price, 30¢.

#### STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

**Stumpage and log prices for the calendar year 1938.** Henry B. Steer, Forest Service. 63 p., illus. (S. B. 71S.) Price, 10¢.

#### OTHER PUBLICATIONS

**Erosion and related land use conditions on the Spartanburg Municipal Reservoir watershed, South Carolina.** Turner C. Bass and Irving L. Martin, Soil Conservation Service. 16 p. Price, 20¢. For sale only.

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.  
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Farmers' Bulletins	Leaflets	Other publications

Erosion and related land use conditions on the University Lake watershed, Chapel Hill, North Carolina. Turner C. Bass and Irving L. Martin, Soil Conservation Service. 16 p. Price, 25¢. For sale only.

Land use and soil conservation. Soil Conservation Service. Folder.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

PC-7. Between you and me. Folder.<sup>3</sup>

PC-9. Grow your own. Folder.<sup>3</sup>

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 24, No. 3, March 1940. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 17, No. 2, February 1940. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only 60¢ a year. Foreign subscription, \$9.10 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.<sup>2</sup>

Experiment station record. Vol. 82, No. 3, March 1940. Price, \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.<sup>2</sup>

Extension service review. Vol. 2, No. 3, March 1940. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

Journal of agricultural research. Vol. 59, No. 12, December 15; Vol. 60, No. 1, January 1940.

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others inter-

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>3</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.



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ested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

Conn. (New Haven)-6. (In Vol. 59, No. 6.) Soil characteristics, topography, and lesser vegetation in relation to site quality of second-growth oak stands in Connecticut. Herbert A. Lunt.

Hawaii-6. (In Vol. 59, No. 6.) The development of the fruit of *Macadamia ternifolia*. M. E. Hartung and W. B. Storey.

Kans.-91. (In Vol. 59, No. 6.) Effect of temperature on size of eggs from pullets in different latitudes. D. C. Warren.

**Monthly weather review.** Vol. 67, No. 12, December 1939. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.<sup>2</sup> Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

**Soil conservation.** Vol. 5, No. 9, March 1940. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

**Weekly weather and crop bulletin.** Nos. 10-13, March 5-26, 1940. Price, 50¢, domestic; \$1.50 a year, foreign.<sup>2</sup>

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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## MONTHLY LIST OF PUBLICATIONS

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Free distribution of technical material and periodicals is restricted.

### FARMER'S BULLETINS

- Growing barley for malt and feed. H. V. Harlan and G. A. Wiebe, Bureau of Plant Industry. 18 p., illus. (F. B. 1732F., rev.) Price, 5¢.
- Potato production in the Western States. W. C. Edmundson, Bureau of Plant Industry. 28 p., illus. (F. B. 1843F.) Price, 5¢.

### LEAFLETS

- Mealworms. R. T. Cotton, Bureau of Entomology and Plant Quarantine. 5 p., illus. (Leaf. 195L.) Price, 5¢.

### TECHNICAL BULLETINS

- Physiological studies of Jerusalem-artichoke tubers, with special reference to the rest period. Clarence E. Steinbauer, Bureau of Plant Industry. 52 p., illus. (T. B. 657T.) Price, 15¢.
- Differences in growth characters and pathogenicity of fusarium wilt isolations tested on three tomato varieties. Frederick L. Wellman and Dorothy J. Blaisdell, Bureau of Plant Industry. 29 p., illus. (T. B. 705T.) Price, 5¢.
- Investigations on the physical and chemical properties of beeswax. Charles S. Bisson and Walter B. Dye, University of California Agricultural Experiment Station; and George H. Vansell, Bureau of Entomology and Plant Quarantine. 24 p., illus. (T. B. 716T.) Price, 5¢.
- Beef production and quality as affected by method of feeding supplements to steers on grass in the Appalachian region. W. H. Black and R. L. Hiner, Bureau of Animal Industry; L. B. Burk, Agricultural Marketing Service; Lucy M. Alexander, Bureau of Home Economics, and C. V. Wilson, West Virginia Agricultural Experiment Station. 32 p., illus. (T. B. 717T.) Price, 5¢.
- A study of methods in barley breeding. H. V. Harlan, M. L. Martini and Harland Stevens, Bureau of Plant Industry. 26 p., illus. (T. B. 720T.) Price, 5¢.
- Paradexodes epilachnae*, a tachinid parasite of the Mexican bean beetle. B. J. Landis and N. F. Howard, Bureau of Entomology and Plant Quarantine. 32 p., illus. (T. B. 721T.) Price, 5¢.
- Physical and chemical changes produced in bleached cotton duck by *Chaetomium globosum* and *Spirochaeta cytophaga*. Ruth Elmquist Rogers and Helen G. Wheeler, Bureau of Home Economics, and Harry Humfeld, Bureau of Plant Industry. 35 p., illus. (T. B. 726T.) Price, 10¢.

### CIRCULARS

- Some factors affecting survival, growth, and selection of lambs. Ralph W. Phillips and W. M. Dawson, Bureau of Animal Industry. 18 p. (Cir. 538C.) Price, 5¢.
- Putting down and developing wells for irrigation. Carl Rohwer, Soil Conservation Service. 86 p., illus. (Cir. 546C.) Price, 15¢.
- Seven new peaches and a new plum for the Western States. W. F. Wight, Bureau of Plant Industry. 23 p., illus. (Cir. 552C.) Price, 5¢.



**Honey and pollen plants of the United States.** Everett Oertel, Bureau of Entomology and Plant Quarantine. 64 p., illus. (Cir. 554C.) Price, 10¢.

#### MISCELLANEOUS PUBLICATIONS

**Family income and expenditures. Pacific region and Plains and Mountain region. Part I, family income.** Day Monroe, Dorothy S. Martin, Margaret Perry, and Kathryn Cronister, Bureau of Home Economics, in cooperation with the Works Progress Administration. 276 p. (M. P. 356M.) Price, 30¢.

**The cow tester's manual.** J. F. Kendrick, Bureau of Dairy Industry. 36 p., illus. (M. P. 359M.) Price, 15¢. For sale only.

**Rural population density in the Southern Appalachians.** Francis J. Marschner, Bureau of Agricultural Economics. 18 p., illus. (M. P. 367M.) Price, 25¢.

**A revision of the North American aphids of the genus *Myzus*.** Preston W. Mason, Bureau of Entomology and Plant Quarantine. 31 p., illus. (M. P. 371M.) Price, 5¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Official United States standards for grades of veal and calf carcasses.** Effective July 16, 1928. Agricultural Marketing Service. Service and regulatory announcements No. 114. (Originally issued as S. R. A.-B. A. E. 114). 7 p.<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements.** March 1940. Pp. 25-40. (S. R. A.-B. A. I. 395.) Price, 25¢ a year, 5¢ a copy.<sup>2</sup>

**Modification of fruit and vegetable quarantine regulations.** Quarantine No. 56. Revision of regulation 2. Effective February 27, 1940. Bureau of Entomology and Plant Quarantine. (B. E. P. Q.-Q 56.) 3 p.<sup>1</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements.** October-December 1939. Pp. 131-147. (S. R. A.-B. E. P. Q. No. 141.)<sup>1</sup>

**Index to Notices of judgment 27001-28000 under the Food and Drugs Act.** Food and Drug Administration. Pp. 469-507.<sup>1</sup>

**Notices of judgment under the Caustic Poison Act.** Food and Drug Administration. [2 p.] (N. J., C. P. 93-95).<sup>1</sup>

**Notices of judgment under the Federal Food, Drug, and Cosmetic Act.** Food and Drug Administration. Pp. 1-15. (C. N. J., F. D. C. 1-30.) Cosmetics.<sup>1</sup>

**Notices of judgment under the Federal Food, Drug, and Cosmetic Act.** Food and Drug Administration. Pp. 1-38. (F. N. J., F. D. C. 1-150.) Foods.<sup>1</sup>

#### SOIL SURVEYS

**New York, Otsego County.** (No. 17, series 1934.) 64 p., illus. Price, 50¢.

**Oklahoma, Major County.** (No. 2, series 1936.) 71 p., illus. Price, 60¢.

**Virginia, Albemarle County.** (No. 14, series 1935.) 55 p., illus. Price, 40¢.

#### STATISTICAL BULLETINS

**Forest products statistics of the Northeastern States.** R. V. Reynolds and A. H. Pierson, Forest Service. 109 p., (S. B. 70S). Price, 15¢.

#### REPRINTS FROM 1939 YEARBOOK

1668. **Human nutrition** (with literature cited). Pp. 97-402; 1075-1142. Price, 40¢.

1716. **Feeding dogs.** Pp. 856-870. Price, 40¢.

1717. **Nutrition of fur animals.** Pp. 871-892. Price, 5¢.

1722. **Nutritive value of miscellaneous feeds.** Pp. 1017-1026. Price, 5¢.

1725. **Composition of the principal feedstuffs used for livestock.** Pp. 1065-1074. Price, 5¢.

<sup>1</sup> These may be obtained from the issuing bureau.

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Farmers' Bulletins	Leaflets	Other publications

### OTHER PUBLICATIONS

County land use planning. Bureau of Agricultural Economics. 12 p. (County Planning Series No. 1.) Price, 5¢.

Erosion and related land use conditions on the Lake Michie watershed, near Durham, N. C. Irving L. Martin and Turner C. Bass, Soil Conservation Service. 19 p., illus. Price, 15¢. For sale only.

Erosion and related land use conditions on the Lloyd Shoals reservoir watershed, Georgia. P. H. Montgomery, Soil Conservation Service. 26 p., illus. Price, 35¢. For sale only.

Make—or buy a mattress. Folder. Illus.

### AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-98. Western grass. 14 p., illus.<sup>3</sup>

### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 24, No. 4, April 1940. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

Crops and markets. Vol. 17, No. 3, March 1940. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Daily weather maps. Limited editions. Not for general distribution.

Extension service review. Vol 11, No. 4, April 1940. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

Experiment station record. Vol. 82, No. 4, April 1940. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price, 15¢.<sup>2</sup>

Fire control notes. Index, December 1936 to October 1939, inclusive; Vol. 4, No. 2, 1940. Price, 15¢ a copy; 50¢ a year, domestic.<sup>2</sup>

Journal of agricultural research. Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

A-192. (In Vol. 59, No. 7.) Sporulation and viability of oöcysts of *Eimeria arloingi* from the domestic sheep. John F. Christensen.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>3</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.



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- G-1137. (In Vol. 59, No. 6.) Host range studies with *Bacterium solanacearum*. T. E. Smith.
- G-1141. (In Vol. 59, No. 8.) Physiological studies of lemons in storage. Erston V. Miller and Harold A. Schomer.
- G-1142. (In Vol. 59, No. 7.) Knob positions on corn chromosomes. A. E. Longley.
- Ga.-14. (In Vol. 59, No. 7.) Influence of boron on flower-bud development in cotton. K. T. Holley and T. G. Dulin.
- Ohio-27. (In Vol. 59, No. 8.) Infection and reinfection experiments with Bang's disease. B. H. Edgington and C. R. Donham.
- N. Y. (Cornell)-44. (In Vol. 59, No. 7.) Cation exchange properties of certain forest soils in the Adirondack section. R. F. Chandler, Jr.
- N. Dak.-17. (In Vol. 59, No. 6.) Effectiveness of heat penetration in the canning of meat in the home by the pressure cooker. Casper I. Nelson and Dorothy Berrigan.
- Wis.-104. (In Vol. 59, No. 7.) The nature of growth substance originating in crown gall tissue. S. B. Locke, A. J. Riker, and B. M. Duggar.
- Wis.-105. (In Vol. 59, No. 7.) Production of growth substance on peptone broth by crown gall bacteria and related nongall-forming organisms. S. B. Locke, A. J. Riker, and B. M. Duggar.

Land policy review. Vol. III, No. 2, March-April 1940. Price, 5¢ a copy; 25¢ a year, domestic.<sup>2</sup>

Monthly weather review. Vol. 68, No. 1, January; Supplement 39, April; Supplement 40, March 1940. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.<sup>2</sup> Not for general distribution.

Rural electrification news. Vol. 5, Nos. 6-8, February-April 1940. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Soil conservation. Vol. 5, No. 10, April 1940. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Weekly weather and crop bulletin. Nos. 14-17, April 2-April 23, 1940. Price, 50¢, domestic; \$1.50 a year, foreign.<sup>2</sup>

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1940

**United States Department of Agriculture**

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Free distribution of technical material and periodicals is restricted.

**FARMER'S BULLETINS**

- Bean growing in northern Idaho, eastern Washington, and eastern Oregon.** Byron Hunter, Bureau of Agricultural Economics. 17 p., illus. (F. B. 1509F., rev.) Price 5¢.
- Feeding, care, and management of young dairy stock.** Joseph B. Shepherd and Fred W. Miller, Bureau of Dairy Industry. 44 p., illus. (F. B. 1723F., rev.) Price 10¢.
- Insects and diseases of the pecan and their control.** G. F. Mozzette, C. B. Nickels, W. C. Pierce, and T. L. Bissell, Bureau of Entomology and Plant Quarantine; and J. B. Demaree, J. R. Cole, H. E. Parson, and John R. Large, Bureau of Plant Industry. (F. B. 1829F.) 70 p., illus. Price 10¢.
- The culture and use of sorghums for forage.** J. H. Martin and J. C. Stephens, Bureau of Plant Industry. 42 p., illus. (F. B. 1844F.) Price 10¢.
- The liming of soils.** Edmund C. Shorey, Bureau of Plant Industry. 26 p., illus. (F. B. 1845F.) Price 5¢.

**LEAFLETS**

- The sweetpotato weevil and how to control it.** K. L. Cockerham, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 121L., rev.) Price 5¢.
- Powdery mildew of ornamental plants.** Freeman Weiss, Bureau of Plant Industry. 4 p. (Leaf. 197L.) Price 5¢.

**TECHNICAL BULLETINS**

- A study of rapid deterioration of vegetable seeds and methods for its prevention.** Victor R. Boswell, E. H. Toole, Vivian K. Toole, and D. F. Fisher, Bureau of Plant Industry. 48 p., illus. (T. B. 708T.) Price 10¢.
- Stains of sapwood and sapwood products and their control.** Theodore C. Scheffer and Ralph H. Lindgren, Bureau of Plant Industry, 124 p., illus. (T. B. 714T.) Price 20¢.
- Fertilizer experiments with rice in California.** Loren L. Davis, Biggs Rice Field Station, Biggs, Calif., and Jenkin W. Jones, Bureau of Plant Industry. 22 p., illus. (T. B. 718T.) Price 5¢.
- Production and consumption of manufactured dairy products.** Edmund E. Vial, Bureau of Agricultural Economics. 77 p., illus. (T. B. 722T.) Price 15¢.
- Milk and butterfat production by dairy cows on four different planes of feeding.** R. R. Graves, George Q. Bateman, J. B. Shepherd, Bureau of Dairy Industry, and George B. Caine, Utah State Agricultural College. 36 p. (T. B. 724T.) Price 10¢.

**CIRCULARS**

- Development and use of baking powder and baking chemicals.** L. H. Bailey, Bureau of Agricultural Chemistry and Engineering. 18 p. (Cir. 138C., rev.) Price 5¢.
- S × P cotton in comparison with Pima.** T. H. Kearney, R. H. Peebles, and E. Gordon Smith, Bureau of Plant Industry. 15 p., illus. (Cir. 550C.) Price 10¢.



**Relation of the depth to which the soil is wet at seeding time to the yield of spring wheat on the Great Plains.** John S. Cole and O. R. Mathews, Bureau of Plant Industry. 20 p., illus. (Cir. 563C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

**List of available publications of the United States Department of Agriculture.** January 2, 1940. Compiled by Fred L. Zimmerman and Phyllis R. Read, Office of Information. 212 p. (M. P. 60M., rev.)

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Bureau of Animal Industry.** Service and regulatory announcements. April 1940. Pp. 41-50. (S. R. A.-B. A. I. 396.) Price 25¢ a year, 5¢ a copy.<sup>1</sup>

**Coffee quarantine.** Notice of quarantine No. 73. Effective April 1, 1940. Bureau of Entomology and Plant Quarantine. 2 p. (B. E. P. Q.-Q. 73.)<sup>2</sup>

**Notices of judgment under the Federal Food, Drug, and Cosmetic Act.** Food and Drug Administration. Pp. 1-31. (D. D. N. J., F. D. C. 1-75.) Drugs and devices; pp. 33-62. (D. D. N. J., F. D. C., 76-140.) Drugs and devices.<sup>2</sup>

**Notices of judgment under the Federal Food, Drug, and Cosmetic Act.** Food and Drug Administration. Pp. 39-79. (F. N. J., F. D. C. 151-325.) Foods.<sup>2</sup>

**Notices of judgment under the Insecticide Act.** Food and Drug Administration. Pp. 457-467. (N. J., I. F. 1711-1730).<sup>2</sup>

#### SOIL SURVEYS

**New York, Cattaraugus County.** (No. 12, series 1935.) 65 p., illus. Price 40¢.

**North Carolina, Stokes County.** (No. 20, series 1934.) 39 p., illus. Price 25¢.

#### REPRINTS FROM 1939 YEARBOOK

1714. **Practical nutritive requirements of poultry.** Pp. 787-843. Price 10¢.

1718. **Feeding requirements of gallinaceous upland game birds.** Pp. 893-924. Price 10¢.

#### OTHER PUBLICATIONS

**Citations to literature in the Journal of Agricultural Research, Technical Bulletins, Circulars, and Miscellaneous Publications (other than bibliographies).** Carolyn Whitlock, Office of Information. 17 p.<sup>2</sup>

**Membership of land use planning committees.** Bureau of Agricultural Economics in cooperation with Extension Service. 8 p. (County Planning Series No. 2.) Price 5¢.

**The land use planning organization.** Bureau of Agricultural Economics, in cooperation with the Extension Service and Soil Conservation Service. 8. p. (County Planning Series No. 3.) Price 5¢.

**A special report. The wholesale fruit and vegetable markets of New York City.** William C. Crow and W. T. Calhoun, Bureau of Agricultural Economics; and J. W. Park, Agricultural Marketing Service. 123 p., illus. Price 25¢.

**Forest outings.** Russell Lord, Forest Service. 311 p., illus. Price 75¢, paper; \$1.25, buckram. For sale only.

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

**G-96. Agricultural adjustment, 1938-39.** 142 p.<sup>3</sup>

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 24, No. 5, May 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.

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Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

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Farmers' Bulletins	Leaflets	Other publications

Crops and markets. Vol. 17, No. 4, April 1940. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sunday and holidays, 25¢ a month, \$3 a year; daily, including Sunday and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 60¢ a year. Foreign subscription, \$9.10 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.<sup>2</sup>

Experiment station record. Vol. 82, No. 5, May 1940. Price \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>1</sup>

Extension service review. Vol. 2, No. 5, May 1940. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

Journal of agricultural research. Vol. 60, No. 2, January 15; No. 3, February 1; No. 4, February 15; No. 5, March 1, 1940.

Journal of agricultural research. Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> *Not distributed free to individuals.*

Separates. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

A-193. (In vol. 59, No. 10.) Experimental transmission of bovine venereal trichomoniasis. Charles W. Rees and George G. Garlick.

E-80. (In vol. 59, No. 10.) Amino acids in the corn kernel. Frank A. Csonka.

G-1138. (In vol. 59, No. 8.) Formulas for determining theoretical effects of certain genetic factors upon inheritance of quantitative characters, with special reference to a study of a *Lycopersicon* hybrid. LeRoy Powers.

G-1139. (In vol. 59, No. 10.) The *D Rs P* linkage group in sorghum. J. C. Stephens and J. R. Quinby.

G-1140. (In vol. 59, No. 9.) Comparative study of the apple anthracnose and perennial canker fungi. J. R. Kienholz.

G-1143. (In vol. 59, No. 8.) Growth of millet in quartz sand and in sand-soil mixtures. P. L. Gile.

G-1144. (In vol. 59, No. 10.) Effects of nitrogen compounds and trace elements on growth of *Aspergillus niger*. Robert A. Steinberg.

G-1145. (In vol. 59, No. 10.) Relation of carbon nutrition to trace-element and accessory requirements of *Aspergillus niger*. Robert A. Steinberg.

G-1146. (In vol. 59, No. 11.) Resistance to clubroot in varieties of turnip and rutabaga. J. C. Walker.

K-305. (In vol. 59, No. 10.) Effect of temperature and moisture on overwintering pupae of the corn earworm in the Northeastern States. G. W. Barber and F. F. Dicke.

Calif.-110. (In vol. 59, No. 7.) Retention of some phosphorus compounds by soils as shown by subsequent plant growth. John P. Conrad.

Calif.-111. (In vol. 59, No. 12.) Susceptibility of species of Cupressaceae to crown gall as determined by artificial inoculation. Clayton O. Smith.

Ill.-70. (In vol. 59, No. 11.) A study of hybrid vigor in a cross between Poland China and Duroc Jersey swine. E. Roberts and W. E. Carroll.

Maine-26. (In vol. 59, No. 12.) The role of insects in the dissemination of potato blackleg and seed-piece decay. Reiner Bonde.

Mich.-34. (In vol. 59, No. 7.) Photosynthetic studies of mutational barrenness in the Montmorency cherry. J. W. Christ.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.



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- N. Y. (Geneva)-16. (In vol. 59, No. 9.) Occurrence and longevity of *Ascochyta pisi* in seeds of hairy vetch. Willard Crosier.
- Ohio-28. (In vol. 59, No. 9.) Further studies on root characteristics of winter wheat in relation to winter injury. C. A. Lamb.
- Tex.-22. (In vol. 59, No. 10.) Relation of gain in weight to gain in energy content of growing chicks. G. S. Fraps and E. C. Carlyle.
- Wis.-106. (In vol. 59, No. 8.) Effect of moisture, fertility, and fertilizer placement on root rot of canning peas in Wisconsin. J. C. Walker and F. L. Musbach.
- Wis.-107. (In vol. 59, No. 8.) Relation of temperature and moisture to near-wilt of pea. Walker J. Virgin and J. C. Walker.
- Wis.-108. (In vol. 59, No. 9.) Further studies of the effects of temperature and other environmental factors upon the photoperiodic responses of plants. R. H. Roberts and B. Esther Struckmeyer.
- Wis.-109. (In vol. 59, No. 11.) Correlated inheritance in oats of reaction to smuts, crown rust, stem rust, and other characters. James H. Torrie.
- Wis.-110. (In vol. 59, No. 11.) Injury to pea vines caused by the feeding of pea aphid. C. E. Dieter and H. F. Wilson.

Monthly weather review. Vol. 68, No. 2, February 1940. Illus. Price 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year foreign.<sup>1</sup> Not for general distribution.

Rural electrification news. Vol. 5, No. 9. May 1940. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

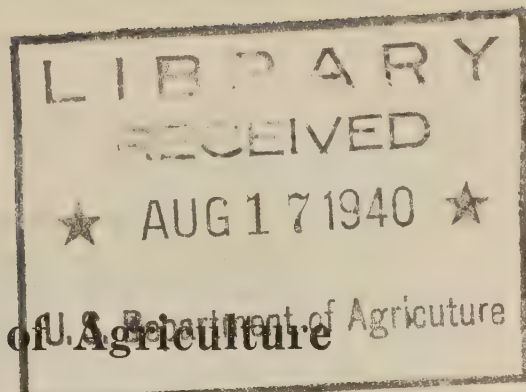
Soil conservation. Vol. 5, No. 11, May 1940. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Weekly weather and crop bulletin. Nos. 18-22, April 30-May 28, 1940. Price 50¢, domestic; \$1.50 a year, foreign.<sup>1</sup>

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.





# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

JUNE 1940

Any five of the nontechnical publications listed herein unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

### FARMER'S BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**The guinea fowl.** Alfred R. Lee, Bureau of Animal Industry. 13 p., illus. (F. B. 1391F., rev.) Price, 5¢.

**Production of hops.** G. R. Hoerner and Frank Rabak, Bureau of Plant Industry. 41 p., illus. (F. B. 1842F.) Price 10¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**The oriental persimmon.** H. P. Gould, Bureau of Plant Industry. 8 p., illus. (Leaf. 194L.) Price 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Supply responses in milk production in the Cabot-Marshfield area, Vermont.** R. H. Allen, Erling Hole, and R. L. Mighell, Bureau of Agricultural Economics. 60 p., illus. (T. B. 709T.) Price 10¢.

### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Cotton-tillage studies on Red Bay sandy loam.** John W. Randolph, I. F. Reed, and E. D. Gordon, Bureau of Agricultural Chemistry and Engineering. 55 p., illus. (Cir. 540C.) Price 10¢.

**Methods of ventilating wheat in farm storages.** C. F. Kelly, Bureau of Agricultural Chemistry and Engineering. 74 p., illus. (Cir. 544C.) Price 15¢.

**Pecan grafting methods and waxes.** B. G. Sitton, Bureau of Plant Industry. 31 p., illus. (Cir. 545C.) Price 5¢.

**Feeding habits of the adult Japanese beetle** I. M. Hawley and F. W. Metzger, Bureau of Entomology and Plant Quarantine. 31 p., illus. (Cir. 547C.) Price 5¢.

**Proximate composition of American food materials.** Charlotte Chatfield and Georgian Adams, Bureau of Home Economics. 91 p. (Cir. 549C.) Price 15¢.

**Processing seed of grasses and other plants to remove awns and appendages.** John L. Schwendiman, Roland F. Sackman, and A. L. Hafenrichter, Soil Conservation Service. 16 p., illus. (Cir. 558C.) Price 5¢.



**Rate of growth by dairy calves and heifers on different rations.** R. R. Graves, J. R. Dawson, D. V. Kopland, J. A. Simms, A. G. Van Horn, and S. L. Cathcart, Bureau of Dairy Industry. 23 p., illus. (Cir. 560C.) Price 5¢.

**Factors influencing the use of some common insecticide-dispersing agents.** Lynn H. Dawsey, Bureau of Entomology and Plant Quarantine. 10 p. (Cir. 568C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**The United States Department of Agriculture, its structure and functions.** A. P. Chew, Office of Information, with the assistance of officials in all the Bureaus and Offices of the Department. 242 p. (M. P. 88M., rev.) Price 25¢.

**A survey and discussion of lysimeters and a bibliography on their construction and performance.** Helmut Kohnke, F. R. Dreibelbis, and J. M. Davidson, Soil Conservation Service. 68 p., illus. (M. P. 372M.) Price 10¢. For sale only.

**State forests for public use.** Forest Service. 36 p., illus. (M. P. 373M.) Price 10¢.

**Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1939-40.** Mary A. Agnew. 170 p. (M. P. 378M.) Price 20¢. Restricted distribution.

**Snow surveying.** James C. Marr, Soil Conservation Service. 46 p., illus. (M. P. 380M.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Insecticide Act.** Index to notices of judgment 1001-1500, Food and Drug Administration. Pp. 1-20.<sup>1</sup>

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Iowa, Davis County.** (No. 32, series 1933.) 40 p., illus. Price 35¢.

**Iowa, Osceola County.** (No. 19, series 1934.) 45 p., illus. Price 30¢.

#### OTHER PUBLICATIONS

**For better rural living. A report of cooperative extension work in agriculture and home economics in 1938.** C. W. Warburton and Reuben Brigham, Extension Service. 45 p. Price 10¢. For sale only.

**United States meteorological yearbook, 1937.** 142 p., illus. Price \$1.00 (buckram). For sale only.

#### REPRINTS FROM 1939 YEARBOOK

1670. From tradition to science. Pp. 97-99. Price 5¢.

1674. Food fads, facts, and fancies. Pp. 139-144. Price 5¢.

1681. Vitamin content of foods. Pp. 286-295. Price 5¢.

<sup>1</sup> These may be obtained from the issuing bureau.



Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.

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Farmers' Bulletins	Leaflets	Other publications

1692. The digestive processes in domestic animals. Pp. 418-430. Price 5¢.  
 1696. The relation of diet to reproduction. Pp. 476-491. Price 5¢.  
 1700. Practices in the feeding of beef and dual-purpose cattle. Pp. 544-565. Price 5¢.  
 1701. The feeding of dairy cows for intensive milk production in practice. Pp. 566-591. Price 5¢.  
 1707. Glands, hormones, and blood constituents—their relation to milk secretion. Pp. 685-698. Price 5¢.  
 1709. Nutritive requirements of swine. Pp. 706-722. Price 5¢.  
 1710. Practices in swine feeding. Pp. 723-745. Price 5¢.  
 1711. Feeding problems with sheep. Pp. 746-757. Price 5¢.  
 1712. Feeding problems with goats. Pp. 758-762. Price 5¢.  
 1713. Nutrition of horses and mules. Pp. 763-786. Price 5¢.  
 1715. Nutritional requirements of dogs. Pp. 844-855. Price 5¢.  
 1719. Pasture and range in livestock feeding. Pp. 925-955. Price 10¢.  
 1721. Losses in making hay and silage. Pp. 992-1016. Price 10¢.

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-99. Agricultural conservation programs aim at abundance, conservation, parity income. Folder.<sup>2</sup>

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 24, No. 6, June 1940. Price, 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>3</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Crops and markets.** Vol. 17, No. 5, May 1940. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>3</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

**Daily weather maps.** Limited edition. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only 60¢ a year. Foreign subscription, \$9.10 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.<sup>3</sup>

<sup>2</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.

<sup>3</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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**Experiment station record.** Vol. 82, No. 6, June 1940. Price, \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>3</sup>

**Extension service review.** Vol. 2, Nos. 6-7, June-July 1940. Illus. Price, 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>3</sup>

**Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>3</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

F-92. (In Vol. 59, No. 12.) **Evidences of racial influence in a 25-year test of ponderosa pine.** R. H. Weidman.

G-1149. (In Vol. 59, No. 11.) **Tobacco following bare and natural weed fallow and pure stands of certain weeds.** W. M. Lunn, D. E. Brown, J. E. McMurtrey, Jr., and W. W. Garner.

Okla.-27. (In Vol. 60, No. 1.) **The effect of adding blackstrap molasses to a lamb-fattening ration.** H. M. Briggs and V. G. Heller.

**Journal of agricultural research.** Vol. 60, No. 6, March 15; No. 7, April 1, 1940.

**Monthly weather review.** Vol. 68, No. 3, March 1940. Illus. Price 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.<sup>3</sup> Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

**Rural electrification news.** Vol. 5, No. 10. June 1940. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>3</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 5, No. 12, June 1940. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>3</sup>

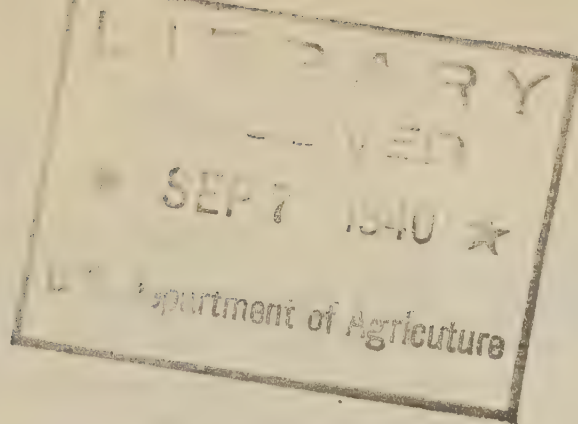
Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

**Weekly weather and crop bulletin.** Nos. 23-26. June 4-June 25, 1940. Price, 50¢, domestic; \$1.50 a year, foreign.<sup>3</sup>

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

<sup>3</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.





# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

JULY 1940

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Free distribution of technical material and periodicals is restricted.

### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Feed-lot and ranch equipment for beef cattle.** W. H. Black, Bureau of Animal Industry. 18 p., illus. (F. B. 1584F., rev.) Price, 5¢.

**Pear growing in the Pacific Coast States.** C. F. Kinman and J. R. Magness, Bureau of Plant Industry. 38 p., illus. (F. B. 1739F., rev.) Price, 10¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**The ryegrasses.** H. A. Schoth and M. A. Hein, Bureau of Plant Industry. 8 p., illus. (Leaf. 196L.) Price, 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Some principles of accelerated stream and valley sedimentation.** Stafford C. Happ, Gordon Rittenhouse, and G. C. Dobson, Soil Conservation Service. 134 p., illus. (T. B. 695T.) Price, 75¢. For sale only.

**Economic status of the English sparrow in the United States.** E. R. Kalmbach, Bureau of Biological Survey. 66 p., illus. (T. B. 711T.) Price, 15¢.

**Types of vegetation in Escalante Valley, Utah, as indicators of soil conditions.** H. L. Shantz and R. L. Piemeisel, Bureau of Plant Industry. 46 p., illus. (T. B. 713T.) Price, 30¢.

**Biology of the seed-corn maggot in the Coastal Plain of the South Atlantic States.** W. J. Reid, Jr., Bureau of Entomology and Plant Quarantine. 44 p. (T. B. 723T.) Price, 10¢.

### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Maintaining identity and pure seed of southern oat varieties.** T. R. Stanton, Bureau of Plant Industry. 20 p., illus. (Cir. 562C.) Price, 5¢.

**The ripening and repacking of mature-green tomatoes.** R. C. Wright and E. A. Gorman, Jr., Bureau of Plant Industry. 8 p., illus. (Cir. 566C.) Price, 5¢.



### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Plans of farm buildings for Southern States.** 123 p., illus. (M. P. 360M.) Price, 60¢. For sale only.

**Descriptions of types of principal American varieties of orange-fleshed carrots.** Roy Magruder and Victor R. Boswell, Bureau of Plant Industry; S. L. Emsweller, formerly California Agricultural Experiment Station; J. C. Miller, Louisiana Agricultural Experiment Station; A. E. Hutchins, University of Minnesota; J. F. Wood, Texas Agricultural Experiment Station; and M. M. Parker and H. H. Zimmerley, Virginia Truck Experiment Station. 48 p., illus. (M. P. 361M.) Price, 20¢. Restricted distribution.

**Family income and expenditures, Middle Atlantic and North Central Region and New England Region. Part 1, family income.** Day Monroe, Elizabeth Phelps, and Idella G. Swisher, Bureau of Home Economics. 447 p., illus. (M. P. 370M.) Price, 50¢.

**Descriptions of types of principal American varieties of red garden beets.** Roy Magruder and Victor R. Boswell, Bureau of Plant Industry; H. A. Jones, California Agricultural Experiment Station; J. C. Miller, Louisiana Agricultural Experiment Station; J. F. Wood, Texas Agricultural Experiment Station, and L. R. Hawthorn, Texas Agricultural Experiment Station and Bureau of Plant Industry; M. M. Parker and H. H. Zimmerley, Virginia Truck Experiment Station. 60 p., illus. (M. P. 374M.) Price, 35¢. Restricted distribution.

**Packaging sliced Cheddar and Swiss cheese in cans for sandwich dispensers.** H. L. Wilson, Bureau of Dairy Industry. 8 p., illus. (M. P. 386M.) Price, 5¢.

### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Bureau of Animal Industry. Service and regulatory announcements.** May 1940. Pp. 51-58. (S. R. A.-B. A. I. 397.) Price 25¢ a year, 5¢ a copy.<sup>1</sup>

**Regulation for warehousemen storing sirups. Service and regulatory announcements.** No. 157. (Supersedes S. R. A.-No. 89). Agricultural Marketing Service. 19 p. (S. R. A.-A. M. S. 157).<sup>2</sup>

### STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

**Wheat futures, volume of trading, open contracts, and prices from January 2, 1936, to December 31, 1938.** 131 p. (S. B. 72S.) Price, 15¢.

### OTHER PUBLICATIONS

**The scope of land use planning.** Bureau of Agricultural Economics in cooperation with Extension Service, Agricultural Adjustment Administration, Farm Credit Administration, Farm Security Administration, Forest Service, Soil Conservation Service, and Public Roads Administration of the Federal Works Agency. (County planning series No. 4.) 7 p. Price, 5¢.

**Communities and neighborhoods in land use planning.** Bureau of Agricultural Economics, in cooperation with Extension Service. (County planning series No. 6.) 7 p. Price, 5¢.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> May be obtained from the issuing bureau.



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Farmers' Bulletins	Leaflets	Other publications

#### REPRINTS FROM 1939 YEARBOOK

1669. Food and life--A summary. Pp. 3-94. Price 10¢.  
 1671. Food functions and the relation of food to health. Pp. 100-123. Price, 10¢.  
 1672. Food habits, old and new. Pp. 124-130. Price, 5¢.  
 1673. Can food habits be changed? Pp. 131-138. Price, 5¢.  
 1677. Protein requirements of man. Pp. 173-186. Price, 5¢.  
 1678. Mineral needs of man. Pp. 187-220. Price, 10¢.  
 1679. Vitamin needs of man. Pp. 221-271. Price, 10¢.  
 1683. Planning for good nutrition. Pp. 321-340. Price, 10¢.  
 1684. Micro-organisms in foods and food preservation. Pp. 341-349. Price, 5¢.  
 1685. Enzymes in foods and food preservation. Pp. 350-354. Price, 5¢.  
 1986. United States meat inspection. Pp. 355-359. Price, 5¢.  
 1687. Supervision and inspection of milk. Pp. 360-363. Price, 5¢.  
 1689. What the modern homemaker needs to know. Pp. 372-379. Price, 5¢.  
 1693. Factors affecting maintenance nutrition, feed utilization, and health of farm animals. Pp. 431-449. Price, 5¢.  
 1694. Growth, fattening, and meat production. Pp. 450-468. Price, 5¢.  
 1695. Some effects of nutritional levels. Pp. 469-475. Price, 5¢.  
 1697. The relation of nutrition to the production of hides and wool. Pp. 492-500. Price, 5¢.  
 1698. The nutrition of very young animals. Pp. 501-518. Price, 5¢.  
 1699. Nutritional requirements of beef and dual-purpose cattle. Pp. 519-543. Price, 5¢.

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 24, No. 7, July 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Daily weather maps.** Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, upper Michigan, lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sunday and holidays, 25¢ a month, \$3 a year; daily, including Sunday and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only 60¢ a year. Foreign subscription, \$9.10 a year. Maps DD, E, and CM, showing the weather conditions and forecasts are issued at numerous stations through the United States, 20¢ a month, \$2.40 a year.<sup>1</sup>

**Experiment station record.** Vol. 81, Index number; vol. 83, no. 1, July 1940. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>1</sup> Single numbers for sale only. Price, 15¢.

A technical review of scientific literature pertaining to agriculture.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. **The Office of Information has none for general distribution.**

G-1150. (In Vol. 60, No. 1.) **Relation between carotenoid content and number of genes per cell in diploid and tetraploid corn.** L. R. Randolph and David B. Hand.

Ill.-71. (In Vol. 60, No. 1.) **Development of the staminate and pistillate inflorescences of sweet corn.** O. T. Bonnett.

M-1. (In Vol. 60, No. 1.) **Effect of the amount and distribution of rainfall and evaporation during the growing season on yields of corn and spring wheat.** Floyd E. Davis and J. E. Pallesen.

Wash.-32. (In Vol. 60, No. 1.) **The digestibility of mature range grasses and range mixtures fed alone and with supplements.** Ralph McCall.

**Land policy review.** Vol. III, No. 3, May-June 1940. Price, 5¢ a copy; 25¢ a year, domestic.<sup>1</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

**Monthly weather review.** Vol. 67, Title page, table of contents, and index; Vol. 68, No. 4, April 1940. Illus. Price, 20¢ a copy; \$2.00 a year, domestic; \$2.75 a year, foreign.<sup>1</sup> *Not for general distribution.*

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary, and (3) climatological tables.

**Rural electrification news.** Vol. 5, No. 11. July 1940. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 6, No. 1, July 1940. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

**Weekly weather and crop bulletin.** Nos. 27-30, July 2-23, 1940. Price, 50¢, domestic; \$1.50 a year, foreign.<sup>1</sup>

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

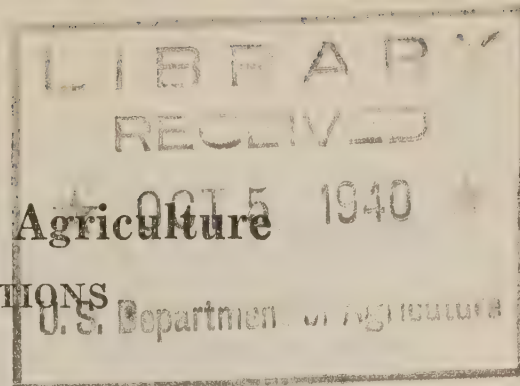


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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

AUGUST 1940



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Free distribution of technical material and periodicals is restricted.

### FARMER'S BULLETINS

**Flax-fiber production.** B. B. Robinson, Bureau of Plant Industry. 29 p., illus. (F. B. 1728F., rev.) Price 5¢.

**Electric light for the farmstead.** Agricultural Chemistry and Engineering and Home Economics. 61 p., illus. (F. B. 1838F.) Price 10¢.

**The uses of alfalfa.** H. L. Westover, Bureau of Plant Industry, and W. H. Hosterman, Agricultural Marketing Service. 36 p., illus. (F. B. 1839F.) Price 5¢.

**Stock-water developments: Wells, springs, and ponds.** C. L. Hamilton and Hans G. Jepson, Soil Conservation Service. 70 p., illus. (F. B. 1859F.) Price 10¢.

### LEAFLETS

**U. S. graded and stamped meat.** Agricultural Marketing Service. [7 p.], illus. (Leaf. 122L., rev.) Price 5¢.

### TECHNICAL BULLETINS

**Selenium occurrence in certain soils in the United States, with a discussion of related topics; fourth report.** K. T. Williams, H. W. Lakin, and Horace G. Byers, Bureau of Plant Industry. 60 p., illus. (T. B. 702T.) Price 10¢.

**The vitamin B<sub>1</sub> content of foods in terms of crystalline thiamin.** Lela E. Booher and Eva R. Hartzler, Bureau of Home Economics. 20 p. (T. B. 707T.) Price 5¢.<sup>1</sup>

**Relative infiltration and related physical characteristics of certain soils.** G. R. Free, G. M. Browning, and G. W. Musgrave, Soil Conservation Service. 52 p., illus. (T. B. 729T.) Price 10¢.

**Market quality and condition of California cantaloups as influenced by maturity, handling, and precooling.** W. T. Pentzer, and James S. Wiant, Bureau of Plant Industry; and John H. MacGillivray, California Agricultural Experiment Station. 74 p., illus. (T. B. 730T.) Price 15¢.

**Arsenic distribution in soils and its presence in certain plants.** Kenneth T. Williams and Richard R. Whetstone, Bureau of Plant Industry. 20 p., illus. (T. B. 732T.) Price 5¢.

### CIRCULARS

**Two new varieties of almond: The Jordanolo and the Harpareil.** Milo N. Wood, Bureau of Plant Industry. 13 p., illus. (Cir. 542C.) Price 5¢.

**A flower-spot disease of cultivated azaleas.** Freeman Weiss, Bureau of Plant Industry, and Floyd F. Smith, Bureau of Entomology and Plant Quarantine. 28 p., illus. (Cir. 556C.) Price 5¢.

**Cost of producing white pine lumber in New England.** Victor S. Jensen, C. Edward Behre, and A. O. Benson, Forest Service. 40 p., illus. (Cir. 557C.) Price 10¢.

**Review and discussion of literature pertinent to crop rotations for erodible soils.** C. R. Enlow, Soil Conservation Service. 51 p., illus. (Cir. 559C.) Price 10¢.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



**Importation, rearing and colonization of parasites of the oriental fruit moth.** H. W. Allen, J. K. Holloway, and G. J. Haeussler, Bureau of Entomology and Plant Quarantine. 62 p., illus. (Cir. 561C.) Price 10¢.

**Austrian winter field pea diseases and their control in the South.** J. L. Weimer, Bureau of Plant Industry. 16 p., illus. (Cir. 565C.) Price 10¢.

#### MISCELLANEOUS CIRCULARS

These circulars include those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department. The series closed with No. 110 and is replaced by the Miscellaneous Publications series.

**State sanitary requirements governing admission of livestock.** Bureau of Animal Industry. 158 p. (M. C. 14C., rev.) Price 15¢.

#### MISCELLANEOUS PUBLICATIONS

**Our forests: What they are and what they mean to us.** Marie Foote Heisley, Forest Service. 39 p., illus. (M. P. 162M., rev.) Price 10¢.

**A review of the parasitic wasps of the Ichneumonid genus *Exenterus* Hartig.** R. A. Cushman, Bureau of Entomology and Plant Quarantine. 15 p., illus. (M. P. 354M.) Price 5¢.

**Farms the rains can't take.** Kenneth Davis, Soil Conservation Service. 14 p., illus. (M. P. 394M.) Price 5¢.

**A revision of the genus *Lycopersicon*.** Cornelius H. Muller, Bureau of Plant Industry. 29 p., illus. (M. P. 382M.) Price 10¢.

**Sources of heat for cotton drying.** Charles A. Bennett, and Victor L. Stedronsky, Bureau of Agricultural Chemistry and Engineering, and William J. Martin, Agricultural Marketing Service. 23 p., illus. (M. P. 385M.) Price 5¢.

**Influences of vegetation and watershed treatments on run-off, silting, and stream flow. A progress report of research.** 80 p., illus. (M. P. 397M.) Price 15¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**United States standards for potatoes.** Service and regulatory announcements No. 151. Agricultural Marketing Service. 5 p. (S. R. A.-A. M. S. 151 rev.)<sup>2</sup>

**Regulations for warehousemen storing broomcorn.** Service and regulatory announcements No. 158. (Supersedes S. R. A. No. 84.) Agricultural Marketing Service. 20 p. (S. R. A.-A. M. S. 158.)<sup>2</sup>

**Bureau of Animal Industry. Service and regulatory announcements.** June 1940. Pp. 61-68. (S. R. A.-B. A. I. 398.) Price 25¢ a year, 5¢ a copy.<sup>1</sup>

**Modifications of Japanese beetle quarantine regulations.** Effective April 5, 1940. Revision of Regulations 3, 5, and 6, and reprinting of regulations 7 and 9. Bureau of Entomology and Plant Quarantine. 9 p. (B. E. P. Q.-Q. 48.)<sup>2</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements.** January-March 1940. 38 p. (S. R. A.-B. E. P. Q. No. 142.)<sup>2</sup>

**Notices of judgment under the Caustic Poison Act.** Food and Drug Administration. 2 p. (N. J., C. P. 96-99.)<sup>2</sup>

**Notices of judgment under the Federal Food, Drug, and Cosmetic Act.** Food and Drug Administration. Pp. 81-128. (F. N. J., F. D. C. 326-500.) Foods.<sup>2</sup>

**Index to Notices of Judgment 28001-29000 under the Food and Drugs Act.** Food and Drug Administration. Pp. 423-458.<sup>2</sup>

**Notices of judgment under the Food and Drugs Act.** Food and Drug Administration. Pp. 417-469. (N. J., F. D. 30951-31000.) Drugs; pp. 1-28. (N. J., F. D. 31001-31075.) Foods.<sup>2</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

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Farmers' Bulletins	Leaflets	Other publications

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-100. More abundant wildlife through A. A. A. program. Folder.<sup>3</sup>

The A. A. A. wheat program in operation. 4 p.<sup>3</sup>

#### SOIL SURVEYS

New York, Ulster County. (No. 22, series 1934.) 52 p., illus. Price 50¢.

Wyoming, Uinta County. (No. 18, series 1934.) 39 p., illus. Price \$1.00.

#### OTHER PUBLICATIONS

Erosion and related land use conditions on the Hell and Mud Creeks demonstration project, Mississippi. D. T. Webb, Soil Conservation Service. 25 p., illus. Price 10¢.<sup>2</sup>

Index-catalogue of medical and veterinary zoology. Part 4. Authors: D to DZUNKOVSKI. Albert Hassall, Mildred A. Doss, Ruth M. Taylor, Gertrude B. Carson, and Dorothy Bero, Bureau of Animal Industry. 1176 p. Price 30¢.<sup>1</sup>

Land use planning under way. Bureau of Agricultural Economics in cooperation with the Extension Service, Farm Security Administration, Soil Conservation Service, Agricultural Adjustment Administration, and Forest Service. 48 p., illus. Price 15¢.

Maryland farm handbook 1940. 59 p. Single copies free to residents of Maryland, only.

National forest areas.<sup>1</sup> F. A. Silcox, Forest Service. 15 p., illus.

Pooling ideas in land use planning. Bureau of Agricultural Economics in cooperation with Extension Service. 8 p. (County Planning Series No. 5.) Price 5¢.

Rural zoning and land use planning. Bureau of Agricultural Economics, in cooperation with the Extension Service, the Soil Conservation Service, and the Farm Security Administration. 10 p. (County Planning Series No. 7.) Price 5¢.

The Negro in American agriculture. 12 p., illus. Price 5¢.

Use the land and save the soil. Soil Conservation Service. 14 p., illus. Price 5¢.

What forests give. Martha Bensley Bruère, Forest Service. Revision. 79 p., illus. Price 15¢.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.

<sup>3</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.



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PERIODICALS

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**Agricultural situation.** Vol. 24, No. 8, August 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Crops and markets.** Vol. 17, No. 7, July 1940. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Daily weather maps.** Limited edition. Not for general distribution.

**Experiment station record.** Vol. 83, No. 2, August 1940. Price, \$1 per volume (2 volumes a year), consisting of 6 monthly numbers and index; \$1.75 per volume, foreign. Single numbers for sale only. Price 15¢.<sup>1</sup>

**Extension service review.** Vol. 1, No. 8, August 1940. Illus. Price. 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

**Fire control notes.** Vol. 4, No. 3, July 1940. Price 15¢ a copy; 50¢ a year, domestic.<sup>1</sup>

**Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>1</sup> Not distributed free to individuals.

— Vol. 59, July 1–December 15, 1939, Index; Vol. 60, No. 8, April 15; No. 9, May 1; No. 10, May 15; No. 11, June 1; No. 12, June 15, 1940.

**Land policy review.** Vol. 3, No. 4, July–August 1940. Price 5¢ a copy; 25¢ a year, domestic.<sup>1</sup>

**Rural electrification news.** Vol. 5, No. 12, August 1940. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. 5, July 1939–June 1940, Index; Vol. 6, No. 2, August 1940. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

**Weekly weather and crop bulletin.** Nos. 32–35. August 6–27, 1940. Price 50¢, domestic; \$1.50 a year, foreign.<sup>1</sup>

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Free distribution of technical material and periodicals is restricted.

### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**The armyworm and its control.** W. R. Walton and C. M. Packard, Bureau of Entomology and Plant Quarantine. 12 p., illus. (F. B. 1850F.) Price 5¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**Clothes moths.** E. A. Back, Bureau of Entomology and Plant Quarantine. 8 p., illus. (Leaf. 145L rev.) Price 5¢.

**Cotton-seed treatment.** R. J. Haskell and H. D. Barker, Bureau of Plant Industry. 8 p., illus. (Leaf. 198L.) Price 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Differential growth rates in cotton varieties and their response to seasonal conditions at Greenville, Tex.** Homer C. McNamara, Dalton R. Hooton, and Dow D. Porter, Bureau of Entomology and Plant Quarantine. 44 p., illus. (T. B. 710T.) Price 10¢.

### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Influence of inbreeding and other factors on litter size in Chester White swine.** H. O. Hetzer, W. V. Lambert, and J. H. Zeller, Bureau of Animal Industry. 11 p., illus. (Cir. 570C.) Price 5¢.

### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Forecasting from synoptic weather charts.** Richard Hanson Weightman, Weather Bureau. 52 p., illus. (M. P. 236M rev.) Price 10¢.<sup>1</sup>

**Benefits of eradicating Bang's disease.** John R. Mohler, A. E. Wight, and Elmer Lash, Bureau of Animal Industry. 18 p., illus. (M. P. 384M.) Price 5¢.

**Living and forest lands.** 48 p., illus. (M. P. 388M.) Price 10¢.

**Buying beef by grade.** Agricultural Marketing Service. illus. 8 p. (M. P. 392M.) Price 5¢.

<sup>1</sup> These may be obtained from the issuing bureau.



**List of sires proved in dairy herd improvement associations 1940.** Bureau of Dairy Industry. 240 p. (M. P. 393M.) Price 25¢.

**School lunches using farm surpluses.** Rowena Schmidt Carpenter and Fanny Walker Yeatman, Surplus Marketing Administration and Bureau of Home Economics. 48 p. (M. P. 408M.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Order amending regulations relating to meat inspection by adding definitions for lard and rendered pork fat.** Bureau of Animal Industry. 1 p. (B. A. I. Order 211, rev., amdt. 13.)<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements.** July 1940. Pp. 69-78. (S. R. A.-B. A. I. 399.) Price 25¢ a year, 5¢ a copy.<sup>2</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements.** Index, 1939. (S. R. A.-B. E. P. Q., Index 1939); April-June 1940. Pp. 39-64. (S. R. A.-B. E. P. Q. No. 143.)<sup>1</sup>

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Iowa, Audubon County.** (No. 34, series 1933.) 41 p., illus. Price 30¢.

**Texas, Zavala County.** (No. 21, series 1934.) 40 p., illus. Price 50¢.

#### OTHER PUBLICATIONS

**Achieving a balanced agriculture.** 74 p. Revision.

**Erosion and related land use conditions on the Crooked Creek project near Indiana, Pa.** J. G. Steele and R. G. Mowrey, Soil Conservation Service. 35 p., illus. (Erosion Survey no. 16.) Price 20¢. For sale only.

**Planning committees cooperate with local governments.** 11 p. (County Planning Series no. 8.) Price 5¢.

**Report on the agricultural experiment stations, 1939.** J. T. Jardine and F. D. Fromme. 265 p. Price 25¢.

#### REPRINTS FROM 1939 YEARBOOK

1675. **The white rat as a contributor to science.** Pp. 145-151. Price 5¢.

1676. **Human food requirements—carbohydrates, fats, energy.** Pp. 152-172. Price 5¢.

1680. **Food composition.** Pp. 272-285. Price 5¢.

1682. **Present-day diets in the United States.** Pp. 296-320. Price 5¢.

1688. **Food grades and the consumer.** Pp. 364-371. Price 5¢.

1690. **Better nutrition as a national goal.** Pp. 380-402. Price 5¢.

1691. **Sources and cycles of the nutritive elements.** Pp. 405-417. Price 5¢.

1702. **Figuring the rations of dairy cows.** Pp. 592-596. Price 5¢.

1703. **Practical feeding and nutritional requirements of young dairy stock.** Pp. 597-638. Price 10¢.

1704. **Variations in the composition of milk.** Pp. 639-648. Price 5¢.

1705. **Utilization of feed energy and feed protein in milk secretion.** Pp. 649-667. Price 5¢.

1706. **The vitamins in milk and in milk production.** Pp. 668-684. Price 5¢.

1708. **Milk in nutritional research—A sketch of progress.** Pp. 699-705. Price 5¢.

1720. **The nutritive value of harvested forages.** Pp. 956-991. Price 10¢.

1723. **Deficient and excess minerals in forage in the United States.** Pp. 1027-1044. Price 5¢.

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Farmers' Bulletins	Leaflets	Other publications

1724. What do we need to know in livestock nutrition? Pp. 1045-1064.  
Price 5¢.

1726. Literature cited for Yearbook of Agriculture—1939. Pp. 1075-1142.  
Price 10¢.

#### PERIODICALS

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**Agricultural situation.** Vol. 24, No. 9, September 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Crops and markets.** Vol. 17, No. 8, August 1940. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

**Extension service review.** Vol. 10, no. 9, September 1940. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

**Journal of agricultural research.** Each issue 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> *Not distributed free to individuals.*

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

A-194. (In Vol. 60, No. 3.) Minimum lethal dose of selenium, as sodium selenite, for horses, mules, cattle and swine. W. T. Miller and K. T. Williams.

A-195. (In Vol. 60, No. 5.) Comparison of the accuracy of two methods of estimating fineness of wool fibers. Ralph W. Phillips, R. G. Schott, J. I. Hardy, and H. W. Wolf.

G-1147. (In Vol. 60, No. 2.) A rot of Winter Queen watermelons caused by *Phytophthora capsici*. James S. Wiant and C. M. Tucker.

G-1151. (In Vol. 60, No. 2.) The use of ascorbic acid (crystalline vitamin C) as a substrate in oxidase measurements. Boyce D. Ezell and Fisk Gerhardt.

G-1152. (In Vol. 60, No. 2.) Effects of various amounts of nitrogen potassium and phosphorus on growth and assimilation in young apple trees. L. P. Batjer and E. S. Degman.

G-1157. (In Vol. 60, No. 3.) A cytological study of some species in the genus *Paspalum*. Glenn W. Burton.

Iowa-31. (In Vol. 60, No. 4.) Bacterial wilt resistance and genetic host-parasite interactions in maize. Ralph E. Lincoln.

Minn.-112. (In Vol. 60, No. 2.) Inheritance in the cucumber. A. E. Hutchins.

N. J.-33. (In Vol. 60, No. 3.) Chemical effect on lead arsenate of certain salts which may be present in soil and spray waters. Joseph M. Ginsburg.

N. C.-36. (In Vol. 60, No. 2.) The vitamin A activity and the vitamin B<sub>1</sub> content of soybeans and cowpeas. J. O. Halverson and F. W. Sherwood.

Va.-15. (In Vol. 60, No. 2.) Frenching of tobacco distinguished from thallium toxicity by spectrographic analysis. G. M. Shear and H. D. Ussery.

Wis.-111. (In Vol. 60, No. 4.) Relation of the near-wilt fungus to the pea plant. W. J. Virgin and J. C. Walker.

Wis.-113. (In Vol. 60, No. 3.) Influence of the physiological age of the pea plant on its recovery from aphid damage. Cecil D. Harrington and Ed. M. Searls.

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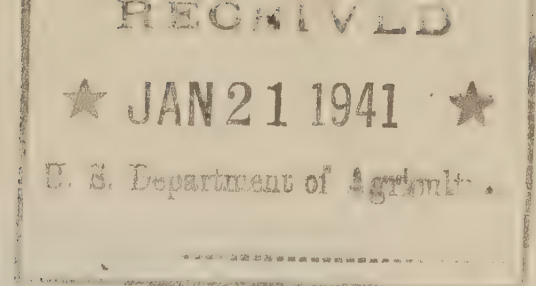
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Soil conservation. Vol. 6, No. 3, September 1940. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS

NOVEMBER 1940

Any five of the nontechnical publications listed herein, unless indicated "For sale only," may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**The southern corn rootworm and farm practices to control it.** Philip Luginbill, Bureau of Entomology and Plant Quarantine. 10 p., illus. (F. B. 950F., rev.) Price 5¢.

**The wheat jointworm and its control.** W. J. Phillips and F. W. Poos, Bureau of Entomology and Plant Quarantine. 13 p., illus. (F. B. 1006F., rev.) Price 5¢.

**Useful and ornamental gourds.** W. R. Beattie, Bureau of Plant Industry. 14 p., illus. (F. B. 1849F.) Price 5¢.

**Women's dresses and slips. A buying guide.** Clarice Louisba Scott, Bureau of Home Economics. 22 p., illus. (F. B. 1851F.) Price 5¢.

### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the Leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

**Gardenia culture.** Guy E. Yerkes, Furman Lloyd Mulford, and Lucia McCulloch, Bureau of Plant Industry; and Floyd F. Smith, Bureau of Entomology and Plant Quarantine. 8 p. (Leaf. 199F.) Price 5¢.

### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Parasites of the oriental fruit moth in Japan and Chosen and their introduction into the United States.** G. J. Haeussler, Bureau of Entomology and Plant Quarantine. 62 p., illus. (T. B. 728T.) Price 10¢.

**Wholesale prices of fats and oils in the United States: Index numbers, 1910-39.** Robert M. Walsh, Bureau of Agricultural Economics. 28 p., illus. (T. B. 737T.) Price 5¢.

**Investigations of the parasites of *Popillia japonica* and related Scarabaeidae in the Far East from 1929 to 1933, inclusive.** T. R. Gardner and L. B. Parker, Bureau of Entomology and Plant Quarantine. 36 p., illus. (T. B. 738T.) Price 10¢.

### CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

**Differential staining of sections of unpreserved bovine udder tissue affected with mastitis.** W. T. Miller and H. W. Johnson, Bureau of Animal Industry. 4 p., illus. (Cir. 514C.) Price 15¢.

**Artificial insemination in livestock breeding.** W. V. Lambert, Bureau of Animal Industry, and Fred F. McKenzie, University of Missouri and agent in Bureau of Animal Industry. 68 p., illus. (Cir. 567C.) Price 10¢.



**Chinese cabbage varieties, their classification, description, and culture in the central Great Plains.** James E. Kraus, Bureau of Plant Industry. 20 p., illus. (Cir. 571C.) Price 5¢.

**Control of the Mormon cricket by the use of poisoned bait.** F. T. Cowan and H. J. Shipman, Bureau of Entomology and Plant Quarantine. 16 p., illus. (Cir. 575C.) Price 5¢.

**Production and agricultural use of ammonium sulfate.** C. C. Fletcher, Albert R. Merz, and B. E. Brown, Bureau of Plant Industry. 15 p. (Cir. 578C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Family income and expenditures. Southeast region, part 1, family income.** Dorothy Brady, Day Monroe, Gertrude Schmidt Weiss, and Thelma Dreis, Bureau of Home Economics, in cooperation with the Work Projects Administration. 389 p. (M. P. 375M.) Price 35¢.

**Forestry on private timberlands.** A pictorial record of what some private timberland owners in the United States are doing to keep their forest lands productive. Forest Service. [24 p.,] illus. (M. P. 381M.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Notices of judgment under the Insecticide Act.** Agricultural Marketing Service. Pp. 483-495. (N. J., I. F. 1746-1762). Insecticides.<sup>1</sup>

**Order amending regulations relating to meat inspection.** Bureau of Animal Industry. 3 p. (B. A. I. Order 211, rev., amdt. 14.)<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements.** September 1940. Pp. 91-98. (S. R. A.-B. A. I. 401). Price 25¢ a year; 5¢ a copy.<sup>2</sup>

**Food and Drugs Act. Index to notices of judgment 29001-30000.** Food and Drug Administration. Pp. 399-432.<sup>1</sup>

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Indiana, Steuben County.** (No. 35, series 1933). 64 p., illus. Price 50¢.

#### OTHER PUBLICATIONS

**Economic analysis of the food stamp plan.** A special report by the Bureau of Agricultural Economics and the Surplus Marketing Administration. Norman Leon Gold, Surplus Marketing Administration; and A. C. Hoffman and Frederick V. Waugh, Bureau of Agricultural Economics. 98 p. Price 20¢.

**Make surplus cotton work.** Extension Service. [14 p.,] illus. Price 10¢.

**Report of the Director of Information, 1940.** M. S. Eisenhower. 16 p. Price 5¢.

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

**SRM-428. Cotton, land, and people.** 11 p.<sup>3</sup>

**41-Cotton-1. Cotton marketing quotas in 1941.** 6 p.<sup>3</sup>

**41-Cotton-2. Do you favor cotton marketing quotas for 1941?** 2 p.<sup>3</sup>

**41-Tobacco-18. Burley tobacco referendum.** 6 p. folder.<sup>3</sup>

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>3</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.

Indicate below, by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Requests for change of address must show old as well as new address.  
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Farmers' Bulletins	Leaflets	Other publications

RURAL ELECTRIFICATION ADMINISTRATION

Electricity for the farm through REA. Rural Electrification. 22 p., illus.<sup>1</sup>

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 24, No. 11, October 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Crops and markets.** Vol. 17, No. 10, October 1940. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

**Experiment station record.** Vol. 83, No. 4, October 1940. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>2</sup> Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

**Extension service review.** Vol. 11, No. 11, November 1940. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

A-196. (In Vol. 60, No. 8.) Ineffectiveness of proprietary remedies and other drugs in the control of Bang's disease, with special reference to "3-V Tonic" and "Bowman's." A. B. Crawford and B. A. Beach.

E-81. (In Vol. 60, No. 6.) Effects of low topping and diastatic malt extract on composition and quality of sorgo sirup. C. F. Walton, Jr., E. K. Ventre, and S. Byall.

Ga.-15. (In Vol. 60, No. 4.) A new virus disease of snap beans. Wilbert A. Jenkins.

Ill.-72. (In Vol. 60, No. 7.) Some factors in lamb production associated with size and type in mutton sheep. George A. Branaman.

S. Dak.-3. (In Vol. 60, No. 6.) Diameter relationships of wool fibers from five breeds fo sheep raised in South Dakota. Barbara Bailey.

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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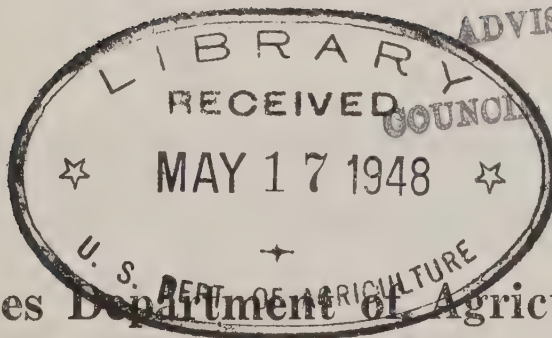
Land policy review. Vol. III, No. 6, No. 7, October-November 1940. Price 5¢ a copy; 25¢ a year, domestic.<sup>2</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

Soil conservation. Vol. 6, No. 5, November 1940. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



## United States Department of Agriculture

### MONTHLY LIST OF PUBLICATIONS

OCTOBER 1940

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Free distribution of technical material and periodicals is restricted.

#### FARMER'S BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

**Lettuce growing in greenhouses.** James H. Beattie, Bureau of Plant Industry. 24 p., illus. (F. B. 1418F., rev.) Price 5¢.

**Soil defense in the Pacific southwest.** Glenn K. Rule and Ralph W. Netterstrom, Soil Conservation Service. 55 p., illus. (F. B. 1848F.) Price 15¢.

#### TECHNICAL BULLETINS

The Technical Bulletin series contains the result of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

**Further observations of the response of various species of plants to length of day.** H. A. Allard and W. W. Garner, Bureau of Plant Industry. 64 p., illus. (T. B. 727T.) Price 20¢. For sale only.

#### MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

**Grain grading primer.** Willis B. Combs, Extension Service, and Fred G. Smith, Agricultural Marketing Service. 48 p., illus. (M. P. 325M., rev.) Price 10¢.

**A selected bibliography of North American forestry.** E. N. Munns, Forest Service. Vol. I, pp. 1-636; Vol. II, pp. 637-1142. (M. P. 864M.) Price 75¢ each volume. For sale only.

**Federal beef grading.** Agricultural Marketing Service. 15 p., illus. (M. P. 391M.) Price 5¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. Free distribution is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

**Bureau of Animal Industry. Service and regulatory announcements.** August 1940. Pp. 79-89. (S. R. A.-B. A. I. 400.) Price 25¢ a year, 5¢ a copy.<sup>1</sup>

#### SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area.

**Indiana, Jennings County.** (No. 40, series 1932.) 53 p., illus. Price 45¢.



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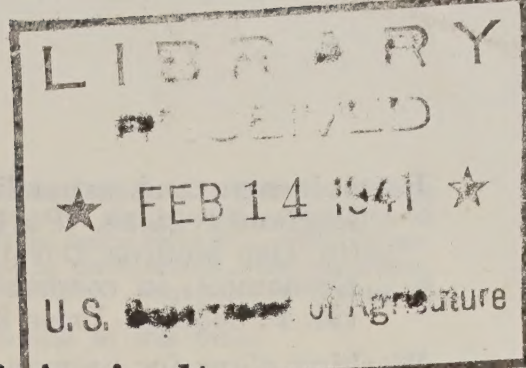
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## United States Department of Agriculture

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DECEMBER 1940

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#### FARMER'S BULLETINS

Arbor Day, its purpose and observance. Forest Service. 33 p., illus. (F. B. 1492F., rev.) Price 10¢.

Small irrigation pumping plants. Carl Rohwer and M. R. Lewis, Soil Conservation Service. 30 p., illus. (F. B. 1857F.) Price 5¢.

#### LEAFLETS

The farmer's share of the consumer's food dollar. Bureau of Agricultural Economics. 6 p., illus. (Leaf. 123L., rev.) Price 5¢.

Shrubs for wildlife on farms in the Southeast. Verne E. Davison, Soil Conservation Service. [8] p., illus. (Leaf. 200L.) Price 5¢.

Fats and oils for cooking and table use. Elizabeth Fuller Whiteman and Florence B. King, Bureau of Home Economics. 8 p., illus. (Leaf. 204L.) Price 5¢.

#### TECHNICAL BULLETINS

Wild animal damage to seed and seedlings on cut-over Douglas fir lands of Oregon and Washington. A. W. Moore, Bureau of Biological Survey. 28 p., illus. (T. B. 706T.) Price 5¢.

Windrowing and storing of sugarcane in Louisiana following injury by freezing temperatures. J. I. Lauritzen, Bureau of Plant Industry; Charles A. Fort and R. T. Balch, Bureau of Agricultural Chemistry and Engineering. 44 p., illus. (T. B. 736T.) Price 10¢.

Studies of methods and materials for the control of the leafhopper *Empoasca fabae* as a bean pest. Dwight M. DeLong, Bureau of Entomology and Plant Quarantine. 64 p., illus. (T. B. 740T.) Price 10¢.

Three species of the genus *Lygus* and their relation to alfalfa seed production in southern Arizona and California. Loyd L. Stitt, Bureau of Entomology and Plant Quarantine. 19 p., illus. (T. B. 741T.) Price 5¢.

#### CIRCULARS

Market classes and grades of swine. Don J. Slater, Agricultural Marketing Service. 36 p., illus. (Cir. 569C.) Price 10¢.

Life history and control of the imported willow leaf beetle. Clifford E. Hood, Bureau of Entomology and Plant Quarantine. 10 p., illus. (Cir. 572C.) Price 5¢.

Bacterial wilt of alfalfa and its control. Fred R. Jones, Bureau of Plant Industry. 8 p., illus. (Cir. 573C.) Price 5¢.

Soil losses from cultivated strips in strip-cropped fields in the Ohio Valley region. R. W. Gerdel, Soil Conservation Service. 24 p., illus. (Cir. 588C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

Directory of the Bureau of Entomology and Plant Quarantine, 1940. September 1940. 110 p. (M. P. 220M., rev.) Price 15¢.



**Farm income and expenditures. Middle Atlantic, North Central and New England regions. Part 1. Family income. Farm series.** Dorothy S. Martin, Day Monroe, Dorothy S. Brady, and Elizabeth Phelps, Bureau of Home Economics, in cooperation with Work Projects Administration. 258 p. (M. P. 383M.) Price 25¢.

**Working plans for permanent farms.** Glenn K. Rule, Soil Conservation Service. 41 p., illus. (M. P. 411M.) Price 15¢.

**Adjusting farm family living in 1941 to the impact of war abroad and home defense.** Bureau of Home Economics and Bureau of Agricultural Economics. Folder. 7 p. (M. P. 419M.) Price 5¢.

**The slotted templet method for controlling maps made from aerial photographs.** Harry T. Kelsh, Soil Conservation Service. 30 p., illus. (M. P. 404M.) Price 15¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Order to prevent the introduction into the United States of rinderpest and foot-and-mouth disease. Effective October 26, 1940.** Bureau of Animal Industry. 3 p. (B. A. I. Order 373).<sup>1</sup>

**Bureau of Animal Industry. Service and regulatory announcements. October 1940.** Pp. 99-106. (S. R. A.-B. A. I. 402). Price 25¢ a year, 5¢ a copy.<sup>2</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements 1939, with list of plant pests intercepted with imported plants and plant products. Title page and table of contents.** (S. R. A.-B. E. P. Q.) 5 p.<sup>1</sup>

**Bureau of Entomology and Plant Quarantine. Service and regulatory announcements. July-September 1940.** Pp. 65-84. (S. R. A.-B. E. P. Q. No. 144).<sup>1</sup>

#### OTHER PUBLICATIONS

**Agricultural statistics, 1940.** Joseph A. Becker, Paul Froehlich, W. O. Fraser, Donald Jackson, S. W. Mendum, Fred J. Rossiter, and Rodney Whitaker. 737 p. Price 75¢, paper. For sale only.

**Erosion and related land use conditions on the Mad River watershed, Vermont.** C. H. Atkinson, Soil Conservation Service. 31 p., illus. (Erosion Survey No. 13.) Price 25¢

**Farmers in a changing world. A Yearbook of Agriculture, 1940.** 1215 p., illus. Price \$1.50. For sale only.

**National-forest vacations.** Forest Service. 54 p., illus. Price 10¢.

**Report of the Administrator of the Farm Security Administration, 1940.** C. B. Baldwin. 24 p. Price 5¢.

**Report of the Chief of the Agricultural Marketing Service, 1940.** C. W. Kitchen. 45 p. Price 10¢.

**Report of the Chief of the Bureau of Home Economics, 1940.** Louise Stanley. 21 p. Price 5¢.

**Report of the Chief of the Commodity Exchange Administration, 1940.** J. M. Mehl. 48 p. Price 10¢.

**Report of the Chief of the Office of Experiment Stations, 1940.** James T. Jardine. 26 p. Price 5¢.

**Report of the Chief of the Office of Plant and Operations.** Arthur B. Thatcher. 11 p. Price 5¢.

**Report of the Chief of the Weather Bureau, 1940.** F. W. Reichelderfer. 16 p. Price 5¢.

**Report of the Consumers' Counsel, 1940.** D. E. Montgomery and Milo Perkins. 16 p. Price 5¢.

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Be sure to write your name and address plainly on reverse side of this form.

Farmers' Bulletins	Leaflets	Other publications

Report of the Director of the Office of Foreign Agricultural Relations. L. A. Wheeler. 14 p. Price 5¢.

Report of the Federal Surplus Commodities Corporation for the fiscal year 1940. 10 p. Price 5¢.

Report of the Librarian, 1940. Claribel R. Barnett. 27 p. Price 5¢.

Report of the Puerto Rico Experiment Station, 1939. James T. Jardine. 126 p., illus. Price 20¢.

Report of the Solicitor, 1940. Mastin G. White. 38 p. Price 10¢.

Facts about school lunches. Surplus Marketing Administration. SMA-SL6, rev. Folder.<sup>1</sup>

School lunches and the community. Surplus Marketing Administration. SMA-SL7. 4 p. Folder.<sup>1</sup>

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

G-67, rev. Do we want to be farmers. 23 p.<sup>3</sup>

G-99. Agricultural conservation programs aim at abundance, conservation, and parity income. Folder.<sup>3</sup>

G-102. The AAA—What it is. 14 p.<sup>3</sup>

#### RURAL ELECTRIFICATION ADMINISTRATION

The electric stock tank water heater. Rural Electrification Administration. Folder, illus.

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 24, No. 12, December 1940. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>2</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 17, No. 11, November 1940. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Experiment station record. Vol. 83, No. 5, November 1940. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>2</sup> Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

Extension service review. Vol. 11, No. 12, December 1940. Illus. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>2</sup>

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Vol. 61, No. 1, July 1; No. 2, July 15, 1940.

<sup>1</sup> These may be obtained from the issuing bureau.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>3</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.



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**Journal of agricultural research.** Price \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue, 15¢, domestic; 20¢, foreign. Separates, 5¢, domestic; 8¢, foreign.<sup>2</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

- E-82. (In Vol. 60, No. 11.) Hemicelluloses of alfalfa hay. Max Phillips and B. L. Davis.  
F-93. (In Vol. 60, No. 5.) Influence of unrestricted grazing on northern salt desert plant associations in western Utah. George Stewart, W. P. Cottam, and Selar S. Hutchings.  
F-94. (In Vol. 60, No. 12.) Effect of certain chemical attributes of vegetation on forest inflammability. Leon W. Richards.  
G-1159. (In Vol. 60, No. 6.) Relation of food translocation to movement of virus of tobacco mosaic. C. W. Bennett.  
G-1160. (In Vol. 60, No. 7.) Three previously undescribed mosaic diseases of pea. W. J. Zaumeyer.  
G-1161. (In Vol. 60, No. 8.) Stigma receptivity and pollen shedding in some pecan varieties. C. L. Smith and L. D. Romberg.  
G-1162. (In Vol. 60, No. 9.) New physiologic races of flax rust. H. H. Flor.  
G-1166. (In Vol. 60, No. 11.) Action of some organic compounds on yield, sporulation, and starch formation of *Aspergillus niger*. Robert A. Steinberg.  
Calif.-112. (In Vol. 60, No. 9.) Retention by soils of the nitrogen of various compounds as shown by subsequent plant response. John P. Conrad.  
Calif.-113. (In Vol. 60, No. 11.) The effect of controlled culling of chickens on the efficiency of progeny tests. I. Michael Lerner and Lewis W. Taylor.  
Colo.-13. (In Vol. 60, No. 6.) Organic reserves in the roots of bindweed. C. G. Barr.  
Minn.-114. (In Vol. 69, No. 9.) The effect of several chemicals on the swelling and the crushing strength of wood. Harvey D. Erickson and Louis W. Rees.  
Minn.-114. (In Vol. 60, No. 9.) The effect of several chemicals on the swelling and upon the development and survival of the saw-toothed grain beetle. Edward L. Thomas and Harold H. Shepard.  
N. Y. (Cornell)-45. (In Vol. 60, No. 12.) The reproductive efficiency of the albino rat under different breeding conditions. M. J. Babcock, R. Bogart, G. Sperling, and S. A. Asdell.  
Wis.-114. (In Vol. 60, No. 7.) Partial self-incompatibility and the collapse of fertile ovules as factors affecting seed formation in alfalfa. D. C. Cooper and R. A. Brink.  
Wis.-115. (In Vol. 60, No. 12.) The effect of alkaline dust diluents on toxicity of rotenone-bearing roots as determined by tests with houseflies. T. C. Allen and J. W. Brooks.

**Land policy review.** Vol. III, No. 8, December 1940. Price 5¢ a copy; 25¢ a year, domestic.<sup>2</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperative groups.

**Rural electrification news.** Vol. 6, No. 3, November. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 6, No. 6, December 1940. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>2</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

<sup>2</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.